

ABSTRACT OF THE DISCLOSURE

Using a high pressure rotary adsorbent wheel, a high value compressed gas feed can be purified by concentrating the impurity such as water, condensing it out, before final purification. Instead of exhausting gas from the system, the effluent can be put back
5 into the feed at a point prior to condensation of the high value gas feed, and therefore the entire feed is purified without any high value gas feed going into a waste stream.